IN THE CLAIMS:

1.-19. (Cancel)

20. (Currently Amended) A method for reproducing information recorded on a recording medium, comprising:

irradiating a laser beam on a track of the recording medium to generate a reproducing signal; and

executing an equalization processing for reducing an inter-symbol interference;

wherein the equalization processing is ~~conducted~~ changed during reproducing information recorded on the same recording medium, such that the smaller an amplitude of the reproducing signal, the greater an equalization coefficient that is applied.

21. (Previously Presented) A method for reproducing information according to Claim 20, wherein the greater equalization coefficient is used for a short mark, and a smaller equalization coefficient is used for a long mark.

22. (Previously Presented) A method for reproducing information according to Claim 20, wherein equalization coefficient changes continuously.

23. (Canceled)

24. (Previously Presented) A method for reproducing information according to Claim 20, comprising executing the equalization processing using 3-tap equalization processing, wherein each tap includes a plurality of selectable equalization coefficients.

25. (Previously Presented) A method for reproducing information according to Claim 24, wherein the plurality of selectable equalization coefficients of a tap are dynamically selectable during reproducing information.

26. (Previously Presented) A method for reproducing information according to Claim 20, comprising executing the equalization processing using 5-tap equalization processing, wherein each tap includes a plurality of selectable equalization coefficients.

27. (Previously Presented) A method for reproducing information according to Claim 26, wherein the plurality of selectable equalization coefficients of a tap are dynamically selectable during reproducing information.

28. (New) A method for reproducing information recorded on a recording medium, comprising:

irradiating a laser beam on a track of the recording medium to generate a reproducing signal; and

executing an equalization processing for reducing an inter-symbol interference;

wherein an equalization coefficient applied in the equalization processing is serially changed throughout reproducing information from the same recording medium, such that the smaller an amplitude of the reproducing signal, the greater an equalization coefficient that is applied.

29. (New) A method for reproducing information according to Claim 28, wherein the greater equalization coefficient is used for a short mark, and a smaller equalization coefficient is used for a long mark.

30. (New) A method for reproducing information according to Claim 28, wherein equalization coefficient changes continuously.

31. (New) A method for reproducing information according to Claim 28, comprising executing the equalization processing using 3-tap equalization processing, wherein each tap includes a plurality of selectable equalization coefficients.

32. (New) A method for reproducing information according to Claim 31, wherein the plurality of selectable equalization coefficients of a tap are dynamically selectable during reproducing information.

33. (New) A method for reproducing information according to Claim 28, comprising executing the equalization processing using 5-tap equalization

processing, wherein each tap includes a plurality of selectable equalization coefficients.

34. (New) A method for reproducing information according to Claim 33, wherein the plurality of selectable equalization coefficients of a tap are dynamically selectable during reproducing information.

35. (New) An apparatus for reproducing information recorded on a recording medium, comprising:

a laser unit to irradiate a laser beam on a track of the recording medium to generate a reproducing signal; and

an equalization unit to execute an equalization processing for reducing an inter-symbol interference;

wherein an equalization coefficient applied in the equalization processing is serially changed throughout reproducing information from the same recording medium, such that the smaller an amplitude of the reproducing signal, the greater an equalization coefficient that is applied.

36. (New) An apparatus for reproducing information according to Claim 35, wherein the greater equalization coefficient is used for a short mark, and a smaller equalization coefficient is used for a long mark.

37. (New) An apparatus for reproducing information according to Claim 35, wherein equalization coefficient changes continuously.

38. (New) An apparatus for reproducing information according to Claim 35, comprising executing the equalization processing using 3-tap equalization processing, wherein each tap includes a plurality of selectable equalization coefficients.

39. (New) An apparatus for reproducing information according to Claim 38, wherein the plurality of selectable equalization coefficients of a tap are dynamically selectable during reproducing information.

40. (New) An apparatus for reproducing information according to Claim 35, comprising executing the equalization processing using 5-tap equalization processing, wherein each tap includes a plurality of selectable equalization coefficients.

41. (New) An apparatus for reproducing information according to Claim 40, wherein the plurality of selectable equalization coefficients of a tap are dynamically selectable during reproducing information.